

Special Fuels for Temperatures Below 1500°K, by  
Lutz

GERMAN, per, ZMB FB, No 800.

Mat'l Res Council Canada TT 7

Scientific - Aerodynamics  
Jul CTS/DEC Price 0,50 15,600  
25

Study of the Degree of Sensitivity "In Vitro" of  
Gram-Negative Bacilli, Particularly *Escherichia coli*,  
to Some Antibiotics (Penicillin, Streptomycin,  
Dihydrostreptomycin, Chloramphenicol, Aureomycin,  
Terramycin, Neomycin), by A. Lutz, Mrs. A. Witz,  
Mrs. A. Troussel, Ch. Grad, A. Mullane, 19 pp.

Full translation.

FRENCH, photostat, Strasbourg Med., Jan 1951, pp 1-14.

CIA/FID/X-782

S-710

Scientific - Medicine

Apr 53 CTS

Further Development of the Experimental Arrangement  
for Emission Spectroscopy of Organic Substances in  
the Positive Column of a Glow Discharge. Observations  
on Chlorobenzene ( $C_6H_5Cl$ ). H.W.H. Schuler, E. Lutz,  
7 pp.

GERMAN, per, Z-Naturforschung, Vol XIIa, No 4,  
1957, pp 334-337.

SLA 59-10876

Sci - Chem  
Sep 59  
Vol 2, No 1

97,781

Theory of Interest, by F. A. Lutz. Approx 200 pp.

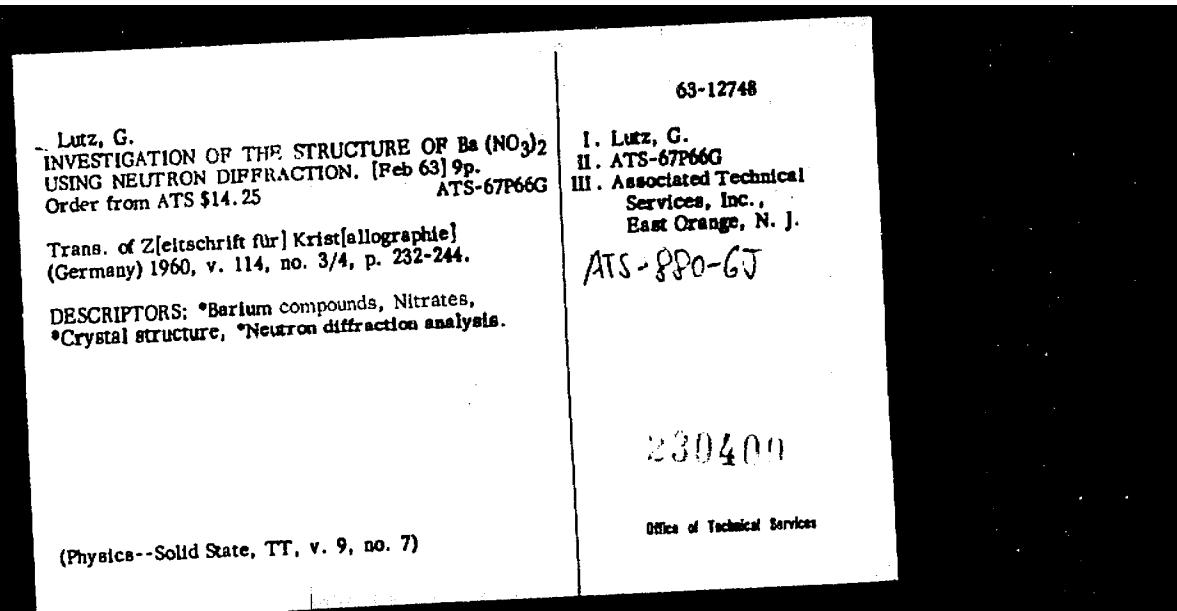
GERMAN, bk.

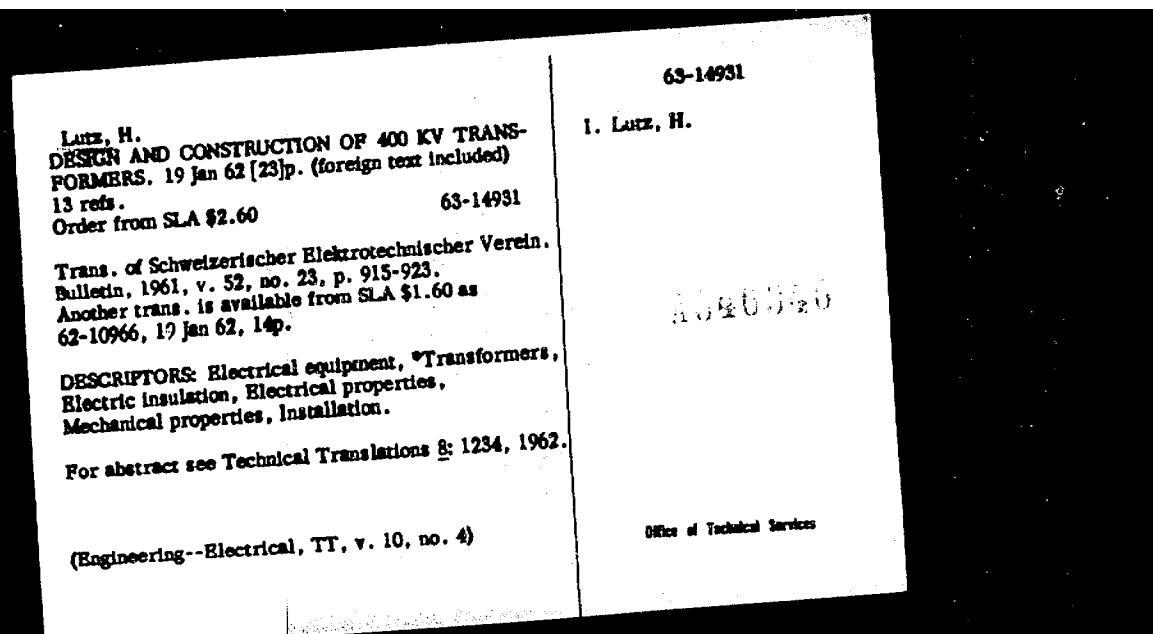
\*Reidel Pub Co.

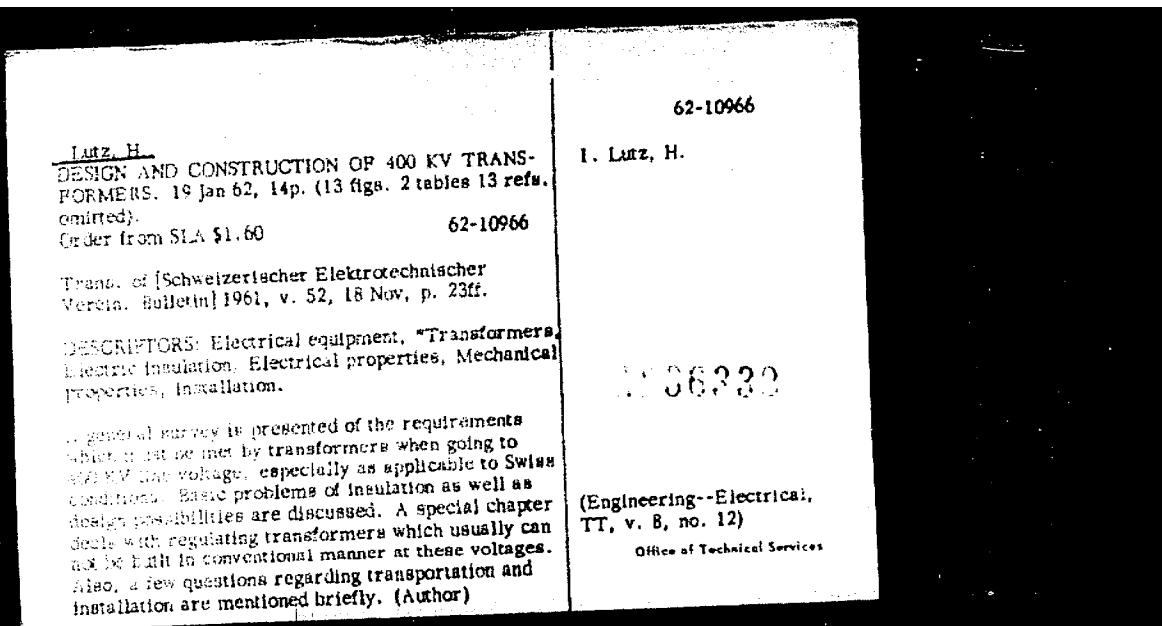
WW

Econ

Jul 62







On the Use of Low-Sulfur Coal-also  
Also in the basic Oxygen Blast Furnace  
Technische Verein, by S. Schleicher,  
H. Lutz, et al.  
1958, por, Technische Mitteilungen,  
Techn. - Forschungsberichte, Vol 21,  
no 4, 1958, pp 139-146.  
DR 6237

H. Lutz

Scanned  
JUL 05

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Influence of Lime Sulfur on the Desulfurization  
of Steel Baths, by W. Schlesicher, H. Lutz,  
H. Gravenhorst.

GERMAN, per, Stahl und Eisen, Vol LXXXI,  
No 21, 1961, pp 1388-1392.

HB 5348

Sci - Min/Met  
May 62

196, 331

62-18072

Lutz, Heinrich.  
THE DECAY OF Gd<sup>153</sup>. [1962] [26]p. 26 refs.  
Order from SLA \$2.60

Trans. of Zeitschrift für Physik (West Germany)  
1964, v. 159, p. 362-377.

DESCRIPTORS: \*Gadolinium, \*Europium, \*Radioactive decay, Radioactive isotopes, \*Electron capture, Crystals, Scintillation counters.

The electron capture decay of Gd<sup>153</sup> was studied by mounting the radioactive source in three different ways: outside, or in the center or built into the lattice of an NaI(Tl) crystal. The  $P_L/M^{+}$  capture ratio was measured for disintegration into the 97.5 and 103 KeV level, respectively, and into the 172.5 level of Eu<sup>153</sup>; 0.31 ± 0.02 and 0.85 ± 0.3. These results were used to determine the disintegration energy of (Nuclear Physics--Radioactivity, TT, v. 8, no. 9) (over)

I. Lutz, H.

62-18072  
C226075  
Office of Technical Services

<p>Lutz, Helmut. MAGNETIC DEFLECTION SYSTEMS WITH MAXIMUM SENSITIVITY. [1962] [29]p. Available on loan from SLA</p> <p>Trans. of [NTZ] Nachrichtentechnische Zeitschrift (West Germany) 1962, v. 15, no. 7, p. 341-349.</p> <p>DESCRIPTORS: *Television equipment, *Miniature electronic equipment, *Cathode ray tubes, *Deflection coils, Magnet coils, Sensitivity, Nonlinear differential equations.</p> <p>The magnetic energy of the deflection field for beam deflection in C. R. T.'s is minimum when the space filled with unnecessary magnetic field is kept as small as possible. The calculation of the deflection space meeting these conditions leads to a non-linear differential equation. The energy in the deflection space, (Engineering--Electronic, TT, v. 9, no. 8) (over)</p>	<p>63-10730</p> <p>I. Lutz, H.</p> <p>A236668</p> <p>Office of Technical Services</p>	
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Acute Psychoses Accompanying Physical Diseases and  
Childhood Schizophrenia, by J. Lutz.  
GERMAN, per, Schweiz Med Wschr, Vol 80, No 29, 1950,  
pp 774-776.  
HFM NIN  
3-24-69

J. Lutz

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LUTZ, O. and LAMBRECHT, J.

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suchungen der Brennstoffzerstäubung in Strahltrieb-

werken.) Dtsch-Forsch. Anst. Luftfahrt FB, p. 128,  
Feb., 1954. (77p.)

Results of Flow - Rate Measurements on the NEL  
Hot - Water Ejector at Temperature, by G. [redacted]  
E. [redacted]. FOR OFFICIAL USE ONLY

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FEB-22-64-5A

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269,818

Results of Flow - Rate Measurements on the IWL  
Hot - Water Ejector at Brunschede, by G. Lutz,  
E. Riester. FOR OFFICIAL USE ONLY

BRUNSCHEID,

FID-IT-64-584

Sci  
Dec 64

269,818

Materials for Structural Parts of Jet Power Plants  
in Contact With the Flame, by O. Lutz and W. Lohse,  
22 pp. (AF 721559)

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1955, pp 118-123. CIA 600308

ATIC F-TS-10024/V

Sci - Aeronautics  
Dec 56 CTS

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Use of Charts for Flow Discharge Calculations, by  
O. Lutz

GERMAN, per, ~~EXCELSIOR~~ L.F.E., Vol XVII, No 8,  
26 Oct 1940.

TPA3/TIB T.M.972

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CTS/DEX

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A Simple Optical Analogy for Torsional Oscillations  
of Shafts With a Number of Inertial Masses, by O. Lutz.

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GERMAN, GDC/324 T, 1947.

NACA 3140, 43

FLT: Ein Einfaches Optisches Gleichnis Fuer Drehschwing-  
ungen Von Mehrfach Besetzten Wellen

A 7344

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Dynamic Similitude in Internal-Combustion Engines,  
by O. Lutz.

GERMAN, per, Ingen-Arch, Vol IV, 1933,  
pp 373-383.

NACA 978

Scientific - Engineering, dynamic similitude,  
internal-combustion

Index Aeronauticus

A7345

Mathematical Treatment of the Mixture of Two Gas  
Jets of Various Temperatures and Velocity, by W.  
Alverman, J. Lambrecht, Otto Lutz, 16 pp. (AF  
1031200)

GERMAN, bk, Rechnerische Behandlung der Mischung  
Zweier Gas- Stroeme Mit Verschiedener Temperatur  
und Geschwindigkeit, Dec 1954, pp 1-13.

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Sci - Buuls

Graphical Determination of Wall Temperatures for  
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Otto Lut.

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Ingenieure, Vol IXXIX, No 34, 1935, pp 1041-1044.

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A Diagram for Thermo Gas-Dynamic Processes, by  
O. Lutz.

GERMAN, per, Z fuer Flugwissenschaft, Vol VII,  
No 10, 1959, pp 281-286.

RAE 889

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Sci - Chem

Jan 61

Research on Combustion Chambers for Small Gas Turbines,  
by O. Lutz, et al, /f, UNCL

GERMAN, rpt, Untersuchungen an Brennkammern fuer  
Kelingasturbinaen, 1957, 27 pp. CIA 646655

\*ATIC MCL-42/I

Sci - Engr

Mar 59

Telecom 40697

Problems and Investigations to Date on Fuel  
Atomisation in Jet Propulsion Units, by  
O. Lutz, J. Lambrecht

GERMAN, Forsch PFS/4/54, Inst Strahltriebwerke  
Deutsch Forschung Luft.

Sci - Fuels; Aviation  
Sep 56 CTS

T.I.L. T 4697  
SLA 57-1752  
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Paper - Melamine Laminate, by Pierre Lutz, 9 pp.  
UNCLASSIFIED

FRENCH, per, La Recherche Aeronautique, Jul-Aug 1952.

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Scientific - Aeronautics

Sep 53 CTS      5605

New Methods of Resuscitation in Cases of  
Freezing, by W. Lutz.

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Separatabdruck, Vol ~~XX~~ XCIX, 1949.

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Sci - Engr

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Dependence of Temperature of Excitation Processes in the Heart, by W. Lutz.

GERMAN, per, Z fuer Kreislaufforschung,  
Sonderdruck, Vol XXXVII, No 9/10, 1948.

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Ottawa, Ref C-2414

Sci - Med

192, 735

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Nature and Cause of Stoppage of the Heart in ~~Hypothermia~~  
Hypothermia, by W. Lutz.

GERMAN, per, Z. fuer Kreislaufforschung,  
Sonderdruck, Vol XXXVII, No 11/12, 1948.

NRC Library  
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Sci - Med

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in the Heart, by W. Lutz, 6 pp.

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No 9/10, 1948, pp 269-274. 9073135

DRB Canada  
T 94 G

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13 Dec 60

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The Significance of Artificial Respiration  
for Resuscitation After Severe Hypothermia,  
by W. Lutz, 5 pp.

GERMAN, per, Wiener Z fuer Innere Medizin, Vol  
XXXII, No 1, 1951, pp 36-42. 9073136

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T 92 G

Sci - Med  
13 Dec 60

133, 983

A Simple Apparatus for Carrying Out Faraday-Magnetic Resonance Measurements, by E. Lutze,  
16 pp.

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KOSSECK, per, Zeit fur Angew Physik, Vol VIII,  
No 2, 1956, pp 61-69. CIA 9013958

ACSL Tr 935

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Jan 58

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Introduction of I S A Fits Into German Industry,  
by Ed. Gottschalk, W. F. Lutze, 28 p.

GERMAN, per, Technische Mitteilungen Krupp,  
1938, Vol VI, No 7, pp 151-166.

SLA 60-10252

Sci  
Apr 60  
Vol III, No 3

111, 981

Addition of Mercury Salts to Vinyl Ethers and  
Esters in an Alcoholic Medium, by A. N.  
Kesseyanov, I. F. Lutsenko, R. M. Khoruzhev,  
6 pp.

Russian, par, In Akad SSSR, Otdel Khim Nauk,  
No 8, 1957, pp 942-948.

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May 59

Recent Research in the Field of Olefine Chemistry,  
by G. Natta, R. Broli, P. Nino, G. Mazzani,  
P. Corradini, G. Lutz, G. Moraglio, 31 pp.

F. Danusso,

ITALIAN, Various.

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Scientific - Chemistry

Feb 56 CTS/DEX

Covering Power of Pigments as a Function of  
Particle Size, by W. Lutzendorf, 40 p.

GERMAN, per, Farbe und Lack, 1953, Vol LIX,  
No 1, pp 7 -16,

SLA 59-15974

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Jan 60  
Vol 2, No 5

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Mechanical Properties of Isotactical Polymers,  
by F. Danusso, G. Lutzu, G. Moraglio, 6 pp.

ITALIAN, Various.

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Scientific - Chemistry

A 7346

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P.S.-Washington  
Kenne  
Jan 64

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(DC-5905)

Some Views on the Old National Artistic Heritage,  
by Luu Huy Phuoc, 8 pp.

VIETNAMESE, per, Hoc Tap, Jul 1961, pp 26-31.

JPRS 8985

ASIA - Vietnam

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(NY-3520)

ORGANIZATION OF LABOR IN AGRICULTURAL COOPERATIVES,  
BY LUU QUANG HOA, 7 PP.

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PP 12-19.

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Apr 1961, pp 1-7.

JPRS 10174

ASIA - Vietnam

170, 390

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Oct 61

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PP.  
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229, 634

229, 637

(DC-6310)

The Need to Overthrow the Extremely Reactionary  
State Machinery of the US - Diemists, by Luu  
Quy Ky, 8 pp.

VIETNAMESE, per, Hoc Day, Jul 1961, pp 4-9, 37.

JPRS 8910

ASIA - Vietnam

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(DC-5905)

The Logic of the Imperialists, by Lam Quy Ky,  
11 pp.

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Jun 62

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(NY-4537).

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Hydrodynamics, Method for the Design of Super-cavitating Hydrofoil Sections in the Presence of Free Surface, by Theai-Sun Lin, Daniel Fruman, 7 pp.  
FRENCH, RP, Hydrodynamique - Sur une Méthode de Trace de Profils Supercavitants en Présence de la Surface Libre, Nov 1964.  
Navy Tr 4048/BuShips Tr 886

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May 65

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Three Years of Developing Industry, Building  
the Structures and Transportation and Communi-  
cation Facilities, by Luu Thuy, 9 pp.

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JPRS 10174

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(DC-6253)

Three Years of Foreign Trade Activities, by  
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176, 118

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(FDD 21571)

Materials On the Economic Situation in the Soviet  
Zone -- The Pharmaceutical Industry in the Soviet  
Occupation Zone, by Dr Herbert Luv, 58 pp.

GERMAN, bk, Materialien zur Wirtschaftslage in  
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trie in der Sowjetischen Besatzungszone, Bonn,  
pp 3-39.

19,881

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EEUR - Germany  
Economic

Oct 54 CTS

Luvalle, James E., Goldberg, Gershon M., and  
Pack, John G.

SENSITIVE MATERIAL FOR PHOTOGRAPHY AND  
THE PROCESS FOR ITS MANUFACTURE. [1961] 22p.  
Order from OTS or SLA \$2.60

62-10659

Trans. of French patent 1,267,623, Int. cl. G 03 c  
(P. V. no. 838,830) by Technical Operations Inc.,  
U. S. A., appl. 16 Sep 60, granted 12 June 61 (patent  
appl. filed U. S. A. 18 Sep 59, under 840, 973) (pub. in  
Bulletin Officiel de la Propriété Industrielle (France)  
1961, no. 29).

DESCRIPTORS: \*Photographic chemicals, \*Silver  
compounds, \*Halides, Sensitivity, Photographic equip-  
ment, Manufacturing methods.

According to the invention there is vaporized under al-  
(Materials--Photographic, TT, .v. 7, no. 11) (over)

62-10639

- I. Luvalle, J. E.
- II. Goldberg, G. M.
- III. Pack, J. G.
- IV. Patent (France) 1 267 623
- V. Patent application (U. S.)  
840 973

209075

Office of Technical Services

Equipment for Distributing and Combining High-  
and Low-Frequency Electric Oscillations by A. A.  
Luvovich, 17 pp, (AF 1061929); *Original*

RUSSIAN, no par, Elektrosvyaz', No 12, Dec 1956,  
pp 3-14. CIA 638392

ATIC F-43-9162/V

Sci - Electronics

Isotope Composition of the Rare Earth Elements  
Formed in the Fission of Uranium, Thorium and  
Bismuth Nuclei by Protons With Energy of 680 Mev,  
by F. I. Pavlotskaya, A. K. Lavrukhina, 10 pp.

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123.

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Jun 57

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Equilibrium of an Elastic Symmetrically  
Loaded Spherical Shell, by A. I. Ily'ya. 52  
RUSSIAN, per, Priklad Matemat i Mekha, Vol VII,  
1943, pp 393-404.  
U.S.A.-TP-1242(L)

Sci - ES  
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*Sign. Ily'ya A. I.*  
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The Frequency of Rare Earths in Animal Bones,  
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AEC Tr 2662

Sci - Chemistry; Biology      42,210  
Jan 57 CTS

ASLIB-GB 45-2662

Reactions and Equilibria in Alkali Hydroxide  
Fusions. II. Extinction Measurements as an  
Aid in the Investigation of Manganate Equilibrium,  
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ABO Tr 2806

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S.A. Tr 57-769

Intracellular Studies on the Effect of Inhibiting  
Potentials in the Motor Cortex. I. The Effect of  
Electrical Stimulation of Unspecific Thalamic Nuclei,  
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fuer d. Ges Neurologie, Vol CCIII, 1962,  
pp 648-666.

MNH 7-45-63

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Sci - Biol & Med  
Sep 63

Reactions in Fused Masses. VI: Equilibrium  
in the System  $\text{Na}_2\text{O} - \text{TiO}_2$ , by H. Lux, 3 pp.

GERMAN, per, Z. fur Electrochemie, Vol LIII,  
No 1, 1949, pp 45-47.

Broken Hill Proprietary  
Co Ltd (CRL/T.277)

Sci - Chem  
Nov 61

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Lux, Hermann and Illmann, Gilmher.  
KNOWLEDGE ABOUT CHROM(II)- SALTS AND  
CHROMIUM (II) OXIDE [REPT.] II. [1963] 12p.  
19 refs.

Order from SLA \$1.60 63-14224

Trans. of Chemische Berichte (West Germany) 1959,  
v. 92, no. 9, p. 2364-2371.

I. Lux, H.  
II. Illmann, G.

DESCRIPTORS: \*Chromium compounds, \*Oxides,  
Synthesis (Chemistry), Mercury alloys, Salts, Oxa-  
lates, Formates, Carbonyl radicals, Decomposition,  
Hydroxides, Dehydration, Solubility, Crystal structure.

(NY-6450)

The Twenty-Year Perspective Plan of the Construction  
Industry, by László Lux, 13 pp.

HUNGARIAN, per, Magyar Építőipar, Budapest,  
Vol I, No 10, October 1961, pp 473-477.

JPRS 12690

EEur-Hungary  
Econ  
Mar 62

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Physical Technological Properties of an  
Insulating Layer of Aluminum Oxide, by E. Schmitt,  
W. Lux, 8 p.

GERMAN, per, Hauszeit der V. A. W. u. d.  
Erfahrwerk, A. G. fur Aluminium, 1930, Vol II,  
No 3, pp 75-81.

SLA 60-10254

Sci  
Apr 60  
Vol III, No 3

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Immunological Indices in Persons Vaccinated  
Against Typhoid and Paratyphoid B With  
Chemical Adsorbed Bivalent Vaccine of the  
Gamaleya Institute of Epidemiology and  
Microbiology of the U.S.S.R. Academy of  
Medical Sciences, by K. I. Lux Luxemburg,  
4 pp.

Extracts From "The Russian Revolution" by  
Rosa Luxemburg, 10 pp.

POLISH, rpt, 8 May 1957.

CIA/9010421

USSR  
Pol  
Jul 57

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Fatigue Strength of Aluminum Alloys Containing Nickel, by G. Jacoby, R. Luxemburger. 79 pp.  
FOR OFFICIAL USE ONLY FOR INTERNAL USE WITHIN  
THE DEPARTMENT OF DEFENSE ONLY  
GERMAN, rpt. Deutsche Versuchsanstalt fur  
Luftfahrt E. V. Institut fur Festigkeit,  
pp 1-41. P100210468-V  
FDD-MT-67-452

Sci/Materials  
Sep 68

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R. Luxemburger

Luyanas, V. I.

ON THE PROBLEM OF TRITIUM ORIGIN IN THE  
ATMOSPHERE. [31 Jul 63] 8p 13refs  
Order from OTS or SLA \$1.10

63-20129

Trans. from [Akademiya Nauk Litovskoi SSR, Vilna.  
Trudy. Seriya] B, 1963, no. 1(32).

DESCRIPTORS: \*Atmosphere, \*Tritium cosmic rays,  
Fast neutrons, Protons, \*Hydrogen, Radioactivation  
analysis, Labeled substances.

The calculation of formation of the radioactive isotope  
of hydrogen tritium in the atmosphere under the action  
of cosmic rays is given. With the energy spectrum of  
"evaporation" neutrons:

$N(E)dE = kEe^{-E}dE$  and the  
spectrum of "fast" neutrons:  $N(E)dE = zE^{-2}e^{-160E^{-2}}dE$   
the maximum possibility of tritium production by the  
(Earth Sciences--Atmosphere, TT, v. 10, no. 11)

(over)

63-20129

I. Luyanas, V. I.

205531

Office of Technical Services

Estimate of the Rate of Formation of Certain  
Radioactive Isotopes in the Atmosphere, by 34  
V. Yu. Luyanas. 9 pp.  
RUSSIA, rpt., Radioaktivnyye Izotopy v Atmosfere  
i ikh Ispol'zovaniye v Meteorologii. Nauchnaya  
Konferentsiya po Yadernoy Meteorologii, Gor'kiy,  
3-6 Feb 1964, 1965, pp 18-27.  
AIR/PTD/M-24-368-67

V. Yu. Luyanas  
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Mar 69

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(NY-2572)

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of the 1959 Basic Construction Plan", by  
Nguyen Cao Luyen, 5 pp.

VIETNAMESE, np, Khan Dan, No 1818, 7 Mar 1959,  
Hanoi, p 3.

JPRS 1688-N

PE - North Vietnam  
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(NY-2900)

Repair Requirements for the Design of Modern  
Construction Machines and Mechanisms, by I. A.  
Luyk, 4 pp.

RUSSIAN, per, Stroitel i Dorozhnyy Mashiny,  
No 1, 1961, pp 21, 22.

JPRS 9300

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Jun 61

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Tension of a Viscose Rayon as a Function of  
Time, Elongation, and Relative Atmospheric  
Humidity, by W. Wegener, E. Luyken.

GERMAN, per, Melliand Textilber, Vol XXXIII,  
No 1, 1952, pp 37-39.

CSIRO-3055

Sci  
Aug 58

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LUYKEN, W.  
KIRCHBERG, H.

Mitteilungen K. W. Institut Eisenforschung, vol.  
22, No. 6, 2 figures, 2 tables, 1900-word abstract;  
1940.

Results Obtained by Magnetizing Roasting of  
Carbonate Iron Ores.

Brutcher Trans, Order No. 956, \$ 1.90.

A-5325

LUYKEN W.

Stahl Und Eisen, vol. 61, 1 diagram, 3900 words;  
1941.

Elimination of Silica from Iron Ores before  
Smelting them in the Blast Furnace.

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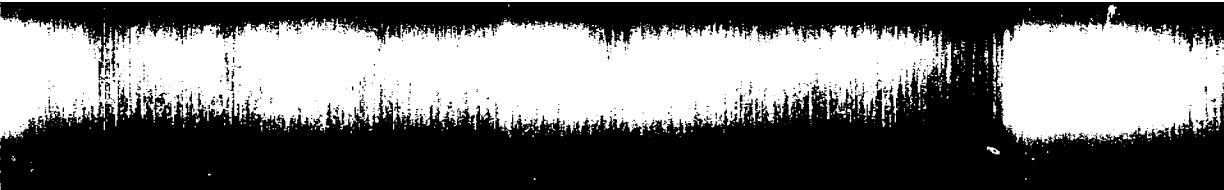
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